

Larry Fliegel

List of Publications by Year in descending order

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158
papers

5,672
citations

61857

43
h-index

95083

68
g-index

160
all docs

160
docs citations

160
times ranked

3664
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and functional analysis of the Na ⁺ /H ⁺ exchanger. <i>Biochemical Journal</i> , 2007, 401, 623-633.	1.7	216
2	Physiological role and regulation of the Na ⁺ /H ⁺ exchanger. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 1081-1095.	0.7	198
3	Carbonic Anhydrase II Binds to and Enhances Activity of the Na ⁺ /H ⁺ Exchanger. <i>Journal of Biological Chemistry</i> , 2002, 277, 36085-36091.	1.6	181
4	Open Tubular Immobilized Metal Ion Affinity Chromatography Combined with MALDI MS and MS/MS for Identification of Protein Phosphorylation Sites. <i>Analytical Chemistry</i> , 2004, 76, 4223-4232.	3.2	166
5	Regulation of expression and intracellular distribution of calreticulin, a major calcium binding protein of nonmuscle cells. <i>Journal of Cellular Physiology</i> , 1991, 149, 160-171.	2.0	155
6	Trophic Factor Withdrawal: p38 Mitogen-Activated Protein Kinase Activates NHE1, Which Induces Intracellular Alkalinization. <i>Molecular and Cellular Biology</i> , 2001, 21, 7545-7557.	1.1	150
7	Regulation of the Na ⁺ /H ⁺ Exchanger (NHE1) in Breast Cancer Metastasis. <i>Cancer Research</i> , 2013, 73, 1259-1264.	0.4	135
8	Protein Kinase-mediated Regulation of the Na ⁺ /H ⁺ Exchanger in the Rat Myocardium by Mitogen-activated Protein Kinase-dependent Pathways. <i>Journal of Biological Chemistry</i> , 1999, 274, 22985-22992.	1.6	128
9	Ectopic Expression of Human and Feline CD9 in a Human B Cell Line Confers β 2 Integrin-dependent Motility on Fibronectin and Laminin Substrates and Enhanced Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 1995, 270, 24092-24099.	1.6	125
10	The Na ⁺ /H ⁺ exchanger isoform 1. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 33-37.	1.2	113
11	Aldosterone Increases NHE-1 Expression and Induces NHE-1-Dependent Hypertrophy in Neonatal Rat Ventricular Myocytes. <i>Hypertension</i> , 2003, 42, 1171-1176.	1.3	104
12	A Novel Carbonic Anhydrase II Binding Site Regulates NHE1 Activity. <i>Biochemistry</i> , 2006, 45, 2414-2424.	1.2	95
13	Functional analysis of polar amino-acid residues in membrane associated regions of the NHE1 isoform of the mammalian Na ⁺ /H ⁺ exchanger. <i>FEBS Journal</i> , 2001, 268, 4674-4685.	0.2	89
14	H ₂ O ₂ -induced Ca ²⁺ overload in NRVM involves ERK1/2 MAP kinases: role for an NHE-1-dependent pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H598-H605.	1.5	89
15	Structural and Functional Characterization of Transmembrane Segment IV of the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. <i>Journal of Biological Chemistry</i> , 2005, 280, 17863-17872.	1.6	87
16	The Carboxyl-Terminal Region of the Na ⁺ /H ⁺ Exchanger Interacts with Mammalian Heat Shock Protein. <i>Biochemistry</i> , 1995, 34, 10412-10420.	1.2	82
17	Activation of Na ⁺ /H ⁺ Exchanger-directed Protein Kinases in the Ischemic and Ischemic-reperfused Rat Myocardium. <i>Journal of Biological Chemistry</i> , 2001, 276, 16113-16122.	1.6	79
18	Molecular biology of the myocardial Na ⁺ /H ⁺ exchanger. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 228-237.	0.9	79

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19	Regulation of the Na ⁺ /H ⁺ exchanger in the healthy and diseased myocardium. Expert Opinion on Therapeutic Targets, 2009, 13, 55-68.	1.5	79
20	Proline residues in transmembrane segment IV are critical for activity, expression and targeting of the Na ⁺ /H ⁺ exchanger isoform 1. Biochemical Journal, 2004, 379, 31-38.	1.7	76
21	Comparative molecular analysis of Na ⁺ /H ⁺ exchangers: a unified model for Na ⁺ /H ⁺ antiport?. FEBS Letters, 1998, 424, 1-5.	1.3	73
22	Mitogen-activated Protein Kinase-dependent Activation of the Na ⁺ /H ⁺ Exchanger Is Mediated through Phosphorylation of Amino Acids Ser770 and Ser771. Journal of Biological Chemistry, 2007, 282, 6292-6299.	1.6	73
23	Differential MAP kinase activation and Na ⁺ /H ⁺ exchanger phosphorylation by H ₂ O ₂ in rat cardiac myocytes. American Journal of Physiology - Cell Physiology, 2001, 281, C1542-C1550.	2.1	72
24	The Na ⁺ /H ⁺ exchanger (NHE1) as a novel co-adjuvant target in paclitaxel therapy of triple-negative breast cancer cells. Oncotarget, 2015, 6, 1262-1275.	0.8	72
25	The Na ⁺ /H ⁺ Antiporter Potentiates Growth and Retinoic Acid-induced Differentiation of P19 Embryonal Carcinoma Cells. Journal of Biological Chemistry, 1997, 272, 26545-26549.	1.6	70
26	Identification of the protein and cDNA of the cardiac Na ⁺ /H ⁺ exchanger. FEBS Letters, 1991, 279, 25-29.	1.3	69
27	Functional role of polar amino acid residues in Na ⁺ /H ⁺ exchangers. Biochemical Journal, 2001, 357, 1-10.	1.7	65
28	Structural and Functional Characterization of Transmembrane Segment VII of the Na ⁺ /H ⁺ Exchanger Isoform 1. Journal of Biological Chemistry, 2006, 281, 29817-29829.	1.6	63
29	Structure and function of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger. Biochemistry and Cell Biology, 2002, 80, 499-508.	0.9	62
30	The Na ⁺ /H ⁺ Exchanger Cytoplasmic Tail: Structure, Function, and Interactions with Tescalcin. Biochemistry, 2003, 42, 7448-7456.	1.2	59
31	Regulation of the Na ⁺ /H ⁺ Exchanger in the Mammalian Myocardium. Journal of Molecular and Cellular Cardiology, 1997, 29, 1991-1999.	0.9	55
32	Regulation of myocardial Na ⁺ /H ⁺ exchanger activity. Basic Research in Cardiology, 2001, 96, 301-305.	2.5	54
33	COUP-TF1 Antagonizes Nkx2.5-mediated Activation of the Calreticulin Gene during Cardiac Development. Journal of Biological Chemistry, 2001, 276, 2797-2801.	1.6	53
34	Structure and function of the human Na ⁺ /H ⁺ exchanger isoform 1. Channels, 2008, 2, 329-336.	1.5	53
35	Na ⁺ /H ⁺ exchanger NHE1 regulation modulates metastatic potential and epithelial-mesenchymal transition of triple-negative breast cancer cells. Oncotarget, 2016, 7, 21091-21113.	0.8	50
36	MET meet adaptors: Functional and structural implications in downstream signalling mediated by the Met receptor. Molecular and Cellular Biochemistry, 2005, 276, 149-157.	1.4	48

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37	Activation of the Na ⁺ /H ⁺ Exchanger Gene by the Transcription Factor AP-2. <i>Journal of Biological Chemistry</i> , 1995, 270, 1375-1381.	1.6	47
38	Regulation of Na ⁺ /H ⁺ exchanger gene expression: mitogenic stimulation increases NHE1 promoter activity. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C831-C839.	2.1	47
39	The fast-twitch muscle calsequestrin isoform predominates in rabbit slow-twitch soleus muscle. <i>FEBS Letters</i> , 1989, 242, 297-300.	1.3	46
40	Functional Analysis of Amino Acid Residues Essential for Activity in the Na ⁺ /H ⁺ Exchanger of Fission Yeast. <i>Biochemistry</i> , 1998, 37, 8282-8288.	1.2	45
41	Activated NHE1 is required to induce early cardiac hypertrophy in mice. <i>Basic Research in Cardiology</i> , 2011, 106, 603-616.	2.5	45
42	Functional role of polar amino acid residues in Na ⁺ /H ⁺ exchangers. <i>Biochemical Journal</i> , 2001, 357, 1.	1.7	44
43	Properties of the Na ⁺ /H ⁺ exchanger protein. <i>FEBS Journal</i> , 2002, 269, 4887-4895.	0.2	44
44	The cardiac Na-H exchanger: a key downstream mediator for the cellular hypertrophic effects of paracrine, autocrine and hormonal factors. <i>Biochemistry and Cell Biology</i> , 2004, 82, 626-635.	0.9	44
45	Mutation of SLC9A1, encoding the major Na ⁺ /H ⁺ exchanger, causes ataxia-deafness Lichtenstein-Knorr syndrome. <i>Human Molecular Genetics</i> , 2015, 24, 463-470.	1.4	44
46	Elevated myocardial Na ⁺ /H ⁺ exchanger isoform 1 activity elicits gene expression that leads to cardiac hypertrophy. <i>Physiological Genomics</i> , 2010, 42, 374-383.	1.0	43
47	Overexpression of the Na ⁺ /H ⁺ exchanger and ischemia-reperfusion injury in the myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H2237-H2247.	1.5	41
48	Characterisation of proton fluxes across the cytoplasmic membrane of the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1098, 79-89.	0.5	40
49	Dimeric Structure of Human Na ⁺ /H ⁺ Exchanger Isoform 1 Overproduced in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 4145-4154.	1.6	39
50	The Na ⁺ /H ⁺ exchanger and p _H regulation in the heart. <i>IUBMB Life</i> , 2014, 66, 679-685.	1.5	39
51	Na ⁺ /H ⁺ exchanger-mediated hydrogen ion extrusion as a carcinogenic signal in triple-negative breast cancer etiology and prospects for its inhibition in therapeutics. <i>Seminars in Cancer Biology</i> , 2017, 43, 35-41.	4.3	39
52	Intracellular pH in <i>Schizosaccharomyces pombe</i> ? Comparison with <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biochemistry</i> , 1993, 124, 131-140.	1.4	38
53	Phenylephrine and sustained acidosis activate the neonatal rat cardiomyocyte Na ⁺ /H ⁺ exchanger through phosphorylation of amino acids Ser ⁷⁷⁰ and Ser ⁷⁷¹ . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H846-H858.	1.5	38
54	Specific Activation of the Na ⁺ /H ⁺ Exchanger Gene during Neuronal Differentiation of Embryonal Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 10420-10427.	1.6	37

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55	Na ⁺ /H ⁺ exchanger isoform 1 facilitates cardiomyocyte embryonic stem cell differentiation. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H159-H170.	1.5	37
56	Structural and functional insights into the cardiac Na ⁺ /H ⁺ exchanger. Journal of Molecular and Cellular Cardiology, 2013, 61, 60-67.	0.9	37
57	Na ⁺ /H ⁺ exchange in the tumour microenvironment: does NHE1 drive breast cancer carcinogenesis?. International Journal of Developmental Biology, 2015, 59, 367-377.	0.3	37
58	Peripheral membrane proteins of sarcoplasmic and endoplasmic reticulum. Comparison of carboxyl-terminal amino acid sequences. Biochemistry and Cell Biology, 1989, 67, 696-702.	0.9	35
59	Structural and Functional Changes in the Na ⁺ /H ⁺ Exchanger Isoform 1, Induced by Erk1/2 Phosphorylation. International Journal of Molecular Sciences, 2019, 20, 2378.	1.8	35
60	Role of Silymarin in Cancer Treatment: Facts, Hypotheses, and Questions. Journal of Evidence-based Integrative Medicine, 2022, 27, 2515690X2110688.	1.4	35
61	Functional Analysis of Acidic Amino Acids in the Cytosolic Tail of the Na ⁺ /H ⁺ Exchanger. Biochemistry, 2004, 43, 16477-16486.	1.2	34
62	Structural and Functional Characterization of Transmembrane Segment IX of the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. Journal of Biological Chemistry, 2008, 283, 22018-22030.	1.6	33
63	B-Raf Associates with and Activates the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. Journal of Biological Chemistry, 2011, 286, 13096-13105.	1.6	33
64	Protein Phosphatase Regulation of Na ⁺ /H ⁺ Exchanger Isoform 1. Biochemistry, 2005, 44, 5842-5852.	1.2	32
65	KR-33028, a potent inhibitor of the Na ⁺ /H ⁺ exchanger NHE1, suppresses metastatic potential of triple-negative breast cancer cells. Biochemical Pharmacology, 2016, 118, 31-39.	2.0	32
66	Identification and localization of the sod2 gene product in fission yeast. FEBS Letters, 1997, 405, 119-124.	1.3	31
67	Structural and Functional Analysis of Transmembrane Segment VI of the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. Journal of Biological Chemistry, 2010, 285, 36656-36665.	1.6	31
68	Regulation of Na ⁺ /H ⁺ Exchanger Gene Expression. Journal of Biological Chemistry, 1996, 271, 20444-20449.	1.6	30
69	Apoptosis-induced alkalinization by the Na ⁺ /H ⁺ exchanger isoform 1 is mediated through phosphorylation of amino acids Ser726 and Ser729. American Journal of Physiology - Cell Physiology, 2008, 295, C883-C896.	2.1	30
70	Structural and Functional Analysis of Transmembrane XI of the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. Journal of Biological Chemistry, 2009, 284, 11546-11556.	1.6	29
71	COUP-TFI and COUP-TFII regulate expression of the NHE through a nuclear hormone responsive element with enhancer activity. FEBS Journal, 2001, 268, 620-634.	0.2	28
72	Effects of adrenochrome on rat heart sarcolemmal ATPase activities. Biochemical Pharmacology, 1980, 29, 559-564.	2.0	27

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73	Acidosis-mediated regulation of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger in renal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F370-F381.	1.3	27
74	Thyroid Hormone Receptor β 1 Regulates Expression of the Na ⁺ /H ⁺ Exchanger (NHE1). <i>Journal of Biological Chemistry</i> , 2002, 277, 28656-28662.	1.6	25
75	Structural analysis of the Na ⁺ /H ⁺ exchanger isoform 1 (NHE1) using the divide and conquer approach. This paper is one of a selection of papers published in a Special Issue entitled CSBMCB 53rd Annual Meeting "Membrane Proteins in Health and Disease, and has undergone the journal's usual peer review process. <i>Biochemistry and Cell Biology</i> , 2011, 89, 189-199.	0.9	24
76	Expression and characterization of the SOS1 Arabidopsis salt tolerance protein. <i>Molecular and Cellular Biochemistry</i> , 2016, 415, 133-143.	1.4	24
77	Functional and cellular regulation of the myocardial Na ⁺ /H ⁺ exchanger. , 1999, 8, 9-14.		22
78	DNA hypermethylation and 1p Loss silence <i>NHE1</i> in oligodendroglioma. <i>Annals of Neurology</i> , 2012, 71, 845-849.	2.8	22
79	Calmodulin-dependent binding to the NHE1 cytosolic tail mediates activation of the Na ⁺ /H ⁺ exchanger by Ca ²⁺ and endothelin. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C1161-C1169.	2.1	21
80	Functional analysis of amino acids of the Na ⁺ /H ⁺ exchanger that are important for proton translocation. <i>Molecular and Cellular Biochemistry</i> , 2003, 254, 117-124.	1.4	20
81	Defining the Na ⁺ /H ⁺ exchanger NHE1 interactome in triple-negative breast cancer cells. <i>Cellular Signalling</i> , 2017, 29, 69-77.	1.7	20
82	Nanoliter Sample Handling Combined with Microspot MALDI-MS for Detection of Gel-Separated Phosphoproteins. <i>Journal of Proteome Research</i> , 2005, 4, 515-522.	1.8	19
83	Expression and detergent free purification and reconstitution of the plant plasma membrane Na ⁺ /H ⁺ antiporter SOS1 overexpressed in <i>Pichia pastoris</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183111.	1.4	19
84	Expression and characterization of the Na ⁺ /H ⁺ exchanger in the mammalian myocardium. <i>Molecular and Cellular Biochemistry</i> , 2007, 302, 145-155.	1.4	18
85	Overexpression of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger causes elevated apoptosis in isolated cardiomyocytes after hypoxia/reoxygenation challenge. <i>Molecular and Cellular Biochemistry</i> , 2010, 338, 47-57.	1.4	18
86	Sustained intracellular acidosis activates the myocardial Na ⁺ /H ⁺ exchanger independent of amino acid Ser703 and p90rsk. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1565-1576.	1.4	18
87	Topological analysis of the Na ⁺ /H ⁺ exchanger. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2385-2393.	1.4	18
88	Expression, purification, and characterization of the carboxyl-terminal region of the Na ⁺ /H ⁺ exchanger. <i>Biochemistry and Cell Biology</i> , 1998, 76, 837-842.	0.9	18
89	Regulation of NHE1 expression in L6 muscle cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1996, 1306, 107-113.	2.4	17
90	Functional Role of Cysteine Residues in the Na ⁺ /H ⁺ Exchanger Effects of Mutation of Cysteine Residues on Targeting and Activity of the Na ⁺ /H ⁺ Exchanger. <i>Archives of Biochemistry and Biophysics</i> , 1998, 358, 116-124.	1.4	17

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91	Calcium and Osmotic Regulation of the Na ⁺ /H ⁺ Exchanger in Neonatal Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2000, 32, 925-936.	0.9	17
92	Transcriptional regulation of Na ⁺ /H ⁺ exchanger expression in the intact mouse. Molecular and Cellular Biochemistry, 2003, 243, 87-95.	1.4	16
93	Strategies for dealing with conformational sampling in structural calculations of flexible or kinked transmembrane peptidesThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCB " Membrane Proteins in Health and Disease.. Biochemistry and Cell Biology, 2006, 84, 918-929.	0.9	16
94	Assessing Na ⁺ /H ⁺ exchange and cell effector functionality in metastatic breast cancer. Biochimie Open, 2016, 2, 16-23.	3.2	16
95	Structure and function of yeast and fungal Na ⁺ /H ⁺ antiporters. IUBMB Life, 2018, 70, 23-31.	1.5	16
96	Nitric oxide modulates cardiomyocyte pH control through a biphasic effect on sodium/hydrogen exchanger-1. Cardiovascular Research, 2020, 116, 1958-1971.	1.8	16
97	Screening of 5- and 6-Substituted Amiloride Libraries Identifies Dual-uPA/NHE1 Active and Single Target-Selective Inhibitors. International Journal of Molecular Sciences, 2021, 22, 2999.	1.8	16
98	Proline 146 is critical to the structure, function and targeting of sod2, the Na ⁺ /H ⁺ exchanger of Schizosaccharomyces pombe. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 983-992.	1.4	15
99	Structural and functional analysis of extracellular loop 2 of the Na ⁺ /H ⁺ exchanger. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2481-2488.	1.4	15
100	Structural changes in the C-terminal regulatory region of the Na ⁺ /H ⁺ exchanger mediate phosphorylation induced regulation. Journal of Molecular and Cellular Cardiology, 2013, 61, 153-163.	0.9	15
101	Mutational analysis of potential pore-lining amino acids in TM IV of the Na ⁺ /H ⁺ exchanger. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2882-2889.	1.4	13
102	Elevated levels of activated NHE1 protect the myocardium and improve metabolism following ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2011, 50, 157-164.	0.9	13
103	Elevated expression of activated Na ⁺ /H ⁺ exchanger protein induces hypertrophy in isolated rat neonatal ventricular cardiomyocytes. Molecular and Cellular Biochemistry, 2011, 358, 179-187.	1.4	13
104	14-3-3 Proteins and Other Candidates form Protein-Protein Interactions with the Cytosolic C-terminal End of SOS1 Affecting Its Transport Activity. International Journal of Molecular Sciences, 2020, 21, 3334.	1.8	13
105	Molecular modeling and inhibitor docking analysis of the Na ⁺ /H ⁺ exchanger isoform one. Biochemistry and Cell Biology, 2019, 97, 333-343.	0.9	12
106	Role of pH Regulatory Proteins and Dysregulation of pH in Prostate Cancer. Reviews of Physiology, Biochemistry and Pharmacology, 2020, , 85-110.	0.9	12
107	Role of Genetic Mutations of the Na ⁺ /H ⁺ Exchanger Isoform 1, in Human Disease and Protein Targeting and Activity. Molecular and Cellular Biochemistry, 2021, 476, 1221-1232.	1.4	12
108	Identification of a small Na ⁺ /H ⁺ exchanger-like message in the rabbit myocardium. FEBS Letters, 1992, 310, 255-259.	1.3	11

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109	Structural and Functional Analysis of Transmembrane Segment IV of the Salt Tolerance Protein Sod2*. <i>Journal of Biological Chemistry</i> , 2013, 288, 24609-24624.	1.6	11
110	Regulation of Expression of the Na ⁺ /H ⁺ Exchanger by Thyroid Hormone. <i>Vitamins and Hormones</i> , 2004, 69, 249-269.	0.7	10
111	Functional characterization of the transmembrane segment VII of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger This paper is one of a selection of papers published in this Special Issue, entitled The Cellular and Molecular Basis of Cardiovascular Dysfunction, Dhalla 70th Birthday Tribute... <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 319-325.	0.7	10
112	Na ⁺ /H ⁺ exchanger-1: a link with atherogenesis?. <i>Expert Opinion on Investigational Drugs</i> , 2010, 19, 1545-1556.	1.9	10
113	Structural and functional analysis of critical amino acids in TMVI of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2327-2335.	1.4	10
114	Structural and Functional Analysis of the Transmembrane Segment Pair VI and VII of the NHE1 Isoform of the Na ⁺ /H ⁺ Exchanger. <i>Biochemistry</i> , 2014, 53, 3658-3670.	1.2	10
115	Diverse residues of intracellular loop 5 of the Na ⁺ /H ⁺ exchanger modulate proton sensing, expression, activity and targeting. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 191-200.	1.4	10
116	Na ⁺ /H ⁺ Exchanger Isoform 1-Induced Osteopontin Expression Facilitates Cardiomyocyte Hypertrophy. <i>PLoS ONE</i> , 2015, 10, e0123318.	1.1	10
117	Characterization of a Histidine Rich Cluster of Amino Acids in the Cytoplasmic Domain of the Na ⁺ /H ⁺ Exchanger. <i>Bioscience Reports</i> , 2000, 20, 185-197.	1.1	9
118	Functional expression and cellular localization of the Na ⁺ /H ⁺ exchanger Sod2 of the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 565-572.	0.7	9
119	Correlating structure, dynamics, and function in transmembrane segment VII of the Na ⁺ /H ⁺ exchanger isoform 1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 94-104.	1.4	9
120	Structural and functional analysis of extracellular loop 4 of the Nhe1 isoform of the Na ⁺ /H ⁺ exchanger. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2783-2790.	1.4	9
121	Cloning and characterization of Na ⁺ /H ⁺ Exchanger isoforms NHE2 and NHE3 from the gill of Pacific dogfish <i>Squalus suckleyi</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 188, 46-53.	0.7	9
122	Na ⁺ /H ⁺ exchanger isoform 1-induced osteopontin expression facilitates cardiac hypertrophy through p90 ribosomal S6 kinase. <i>Physiological Genomics</i> , 2018, 50, 332-342.	1.0	9
123	Rainbow Trout (<i>Oncorhynchus mykiss</i>) Na ⁺ /H ⁺ Exchangers tNhe3a and tNhe3b Display Unique Inhibitory Profiles Dissimilar from Mammalian NHE Isoforms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2205.	1.8	9
124	Diastolic calcium is elevated in metabolic recovery of cardiomyocytes expressing elevated levels of the Na ⁺ /H ⁺ exchanger. <i>Canadian Journal of Physiology and Pharmacology</i> , 2008, 86, 850-859.	0.7	8
125	Activation of the Na ⁺ /H ⁺ exchanger in isolated cardiomyocytes through $\hat{\gamma}$ -Raf dependent pathways. Role of Thr653 of the cytosolic tail. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 99, 65-75.	0.9	8
126	Roles of the Na ⁺ /H ⁺ Exchanger Isoform 1 and Urokinase in Prostate Cancer Cell Migration and Invasion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13263.	1.8	8

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127	Expression, purification, and reconstitution of the Na ⁺ /H ⁺ exchanger sod2 in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biochemistry</i> , 2008, 319, 79-86.	1.4	7
128	A Novel Human Mutation in the SLC9A1 Gene Results in Abolition of Na ⁺ /H ⁺ Exchanger Activity. <i>PLoS ONE</i> , 2015, 10, e0119453.	1.1	7
129	Stop Codon Polymorphisms in the Human SLC9A1 Gene Disrupt or Compromise Na ⁺ /H ⁺ Exchanger Function. <i>PLoS ONE</i> , 2016, 11, e0162902.	1.1	7
130	Protein mediated regulation of the NHE1 isoform of the Na ⁺ /H ⁺ exchanger in renal cells. A regulatory role of Hsp90 and AKT kinase. <i>Cellular Signalling</i> , 2017, 36, 145-153.	1.7	7
131	The Na ⁺ /H ⁺ exchanger in metastasis. <i>Aging</i> , 2016, 8, 1291-1291.	1.4	7
132	Acute SGLT-2i treatment improves cardiac efficiency during myocardial ischemia independent of Na ⁺ /H ⁺ exchanger-1. <i>International Journal of Cardiology</i> , 2022, , .	0.8	7
133	Anti-hypertrophic effect of Na ⁺ /H ⁺ exchanger-1 inhibition is mediated by reduced cathepsin B. <i>European Journal of Pharmacology</i> , 2020, 888, 173420.	1.7	6
134	Fast-twitch and slow-twitch skeletal muscles express the same isoform of calreticulin. <i>Biochemical and Biophysical Research Communications</i> , 1991, 177, 979-984.	1.0	5
135	Functional role and analysis of cysteine residues of the salt tolerance protein Sod2. <i>Molecular and Cellular Biochemistry</i> , 2014, 386, 85-98.	1.4	5
136	Amino Acids 563â€“566 of the Na ⁺ /H ⁺ Exchanger Isoform 1 C-Terminal Cytosolic Tail Prevent Protein Degradation and Stabilize Protein Expression and Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1737.	1.8	5
137	Acidic residues of extracellular loop 3 of the Na ⁺ /H ⁺ exchanger type 1 are important in cation transport. <i>Molecular and Cellular Biochemistry</i> , 2020, 468, 13-20.	1.4	5
138	[22] cDNA cloning of sarcoplasmic reticulum proteins. <i>Methods in Enzymology</i> , 1988, 157, 289-302.	0.4	4
139	The role of ion antiporters in the maintenance of intracellular pH in rat vascular smooth muscle cells. <i>Molecular and Cellular Biochemistry</i> , 1991, 102, 125-37.	1.4	4
140	Identification of an HMG-like protein involved in regulation of Na ⁺ /H ⁺ exchanger expression. <i>Molecular and Cellular Biochemistry</i> , 1997, 176, 99-106.	1.4	4
141	Physiological consequences of expression of the Na ⁺ /H ⁺ antiporter sod2 in <i>Escherichia coli</i> . <i>Molecular and Cellular Biochemistry</i> , 1998, 183, 125-132.	1.4	4
142	Functional Analysis of Polar Residues Important for Activity of Na ⁺ /H ⁺ Exchangers. <i>Annals of the New York Academy of Sciences</i> , 2002, 976, 117-120.	1.8	4
143	Functional role of arginine 425 in the mammalian Na ⁺ /H ⁺ exchanger. <i>Biochemistry and Cell Biology</i> , 2014, 92, 541-546.	0.9	4
144	Characterization of human mutations in phosphorylatable amino acids of the cytosolic regulatory tail of SLC9A1. <i>Biochemistry and Cell Biology</i> , 2014, 92, 524-529.	0.9	4

#	ARTICLE	IF	CITATIONS
145	Transmembrane Segment XI of the Na ⁺ /H ⁺ Antiporter of <i>S. pombe</i> is a Critical Part of the Ion Translocation Pore. <i>Scientific Reports</i> , 2017, 7, 12793.	1.6	4
146	Permissive role of Na ⁺ /H ⁺ exchanger isoform 1 in migration and invasion of triple-negative basal-like breast cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 1207-1216.	1.4	4
147	Functional Analysis of Conserved Transmembrane Charged Residues and a Yeast Specific Extracellular Loop of the Plasma Membrane Na ⁺ /H ⁺ Antiporter of <i>Schizosaccharomyces pombe</i> . <i>Scientific Reports</i> , 2019, 9, 6191.	1.6	3
148	Heat shock proteins and the Na ⁺ /H ⁺ exchanger. <i>Channels</i> , 2017, 11, 380-382.	1.5	2
149	Characterization of modeled inhibitory binding sites on isoform one of the Na ⁺ /H ⁺ exchanger. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183648.	1.4	2
150	Interactions of a High Mobility Group-like Protein with Human Mitochondrial DNA. <i>Archives of Biochemistry and Biophysics</i> , 1997, 346, 193-202.	1.4	1
151	Gender-specific effects of exercise on cardiac pathology in Na ⁺ /H ⁺ exchanger overexpressing mice. <i>Molecular and Cellular Biochemistry</i> , 2012, 368, 103-110.	1.4	1
152	Î²-Raf activation of the myocardial Na ⁺ /H ⁺ exchanger. <i>Channels</i> , 2017, 11, 181-182.	1.5	1
153	NMR Structural Studies of a Two-Transmembrane Helix Segment of the Na ⁺ /H ⁺ Exchanger Isoform 1. <i>Biophysical Journal</i> , 2011, 100, 385a.	0.2	0
154	Membrane Transport Piece by Piece: Production of Transmembrane Peptides for Structural and Functional Studies. <i>Current Protocols in Protein Science</i> , 2014, 75, 29.8.1-29.8.28.	2.8	0
155	pH and electrolytes metabolism in prostate cancer. , 2021, , 295-318.		0
156	Amino Acids 785, 787 of the Na ⁺ /H ⁺ Exchanger Cytoplasmic Tail Modulate Protein Activity and Tail Conformation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11349.	1.8	0
157	Functional and structural analysis of transmembrane segment IV of Na ⁺ /H ⁺ exchanger of <i>Schizosaccharomyces pombe</i> . <i>FASEB Journal</i> , 2012, 26, 604.2.	0.2	0
158	Structural and functional studies of purified transmembrane segment VI-VII of the human isoform 1 of the Na ⁺ /H ⁺ exchanger. <i>FASEB Journal</i> , 2012, 26, lb226.	0.2	0